

a zero crossing 100 of the AC sine wave, monitors the AC sine wave for a subsequent zero crossing 100, and reprovdes the AC sine wave to the at least one heater 40 at the subsequent zero crossing 100.

Please amend paragraph 0024 on page 5 as follows:

During a normal cycle of an AC voltage sine wave, the voltage crosses the "x" axis, or zero, at 0 degrees and again at 180 degrees. During normal conditions, there are two zero crossings 100 in each cycle. Controller 92 stops providing and reprovdes the AC sine wave at zero crossing 100. More specifically, after the initial providing of the AC sine wave to heater 40, controller 92 upon a determination to stop providing the AC sine wave to heater 40 based on the input signals from sensors 64, 68, 96 and 98, stops the AC sine wave at zero crossing 100 subsequent the moment of determination. Upon a determination to reprovde the AC sine wave to heater 40 based on the input signals from sensors 64, 68, 96 and 98, controller 92 reprovdes the AC sine wave at zero crossing 100 immediately subsequent the zero crossing 100 at which the AC sine wave was stopped. The reprovding can also occur in at least two half cycles subsequent the zero crossing 100 at which the AC sine wave was stopped.

Please amend paragraph 0026 on page 5 as follows:

Figure 5 illustrates a gas heater control system 200, which is included in gas embodiments of dryer 10. Gas heater control system 200 includes a controller 202 operationally coupled to a linear gas valve 204 and a burner 210. Controller 202 is also coupled to at least one of temperature sensors 64 and 68, a humidity sensor 96, and a clothing moisture sensor 98. Linear gas valve 204 is adjustable to vary the gas flow therethrough and subsequently vary the amount of gas ignited at burner 210. More specifically, controller 202 is in communication with valve 204 and adjusts valve 204 to vary a heat output of burner 210.

#### IN THE CLAIMS

11. (once amended) A system in accordance with Claim 10 wherein to reprovde the AC sine wave to said at least one heater element, said controller configured to reprovde at a zero crossing immediately subsequent the zero crossing at which the AC sine wave was stopped.